SMT 3012C TB J

Thru Beam

Photoelectric Sensors



Compatible Receivers:

SMR 3012 TB J
SMR 3112 TB J
SMR 3212 TB J
SMR 3312 TB J

Product Data	
Function	Transmitter
Operation Mode	Thru Beam
Supply Voltage	10 - 30 V dc
Control Feature	Adjustable range and test input
Connection	4 pin, M12 plug
Sensing Range	12 m
Light Source	Infrared (880 nm)
Housing Material	Nickel Plated Brass
Housing	M12 x 1

Technical Data	
Supply Voltage	10 - 30 V dc
Voltage Ripple	15 %
Reverse Polarity Protected	Yes
Current Consumption	Max. 30 mA
Test Input	Yes
Control Input	Adjustable range
Power On Indicator	Green LED
Light Source	Infrared (880 nm)
Emission Angle	+/- 5°
Housing Material, Front Lens	Polycarbonate
Housing Material, Sensor Housing	Nickel Plated Brass
Cable	3 x 0,14 mm²
Cable Sleeve	PVC Ø 3,4 mm

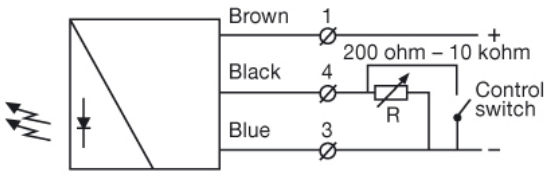
Environmental Data	
Vibration	10 - 55 Hz, 0,5 mm
Shock	30 g

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Operation Temperature	-20 to +50 °C
Storage Temperature	-40 to +80 °C
Sealing Class	IP 67

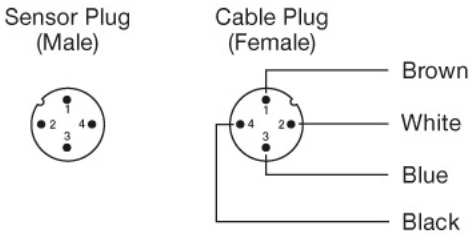
Approvals

Wiring Diagram



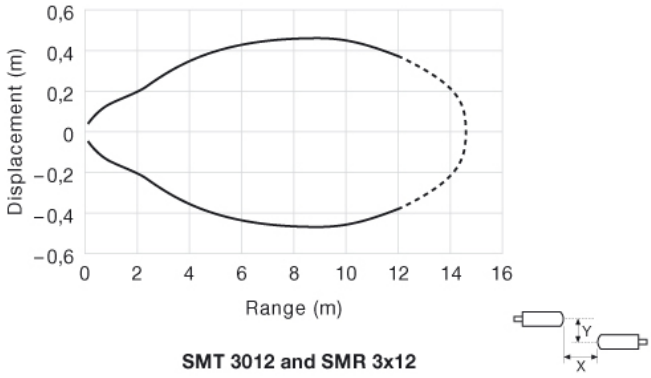
Connections

4 pin, M12



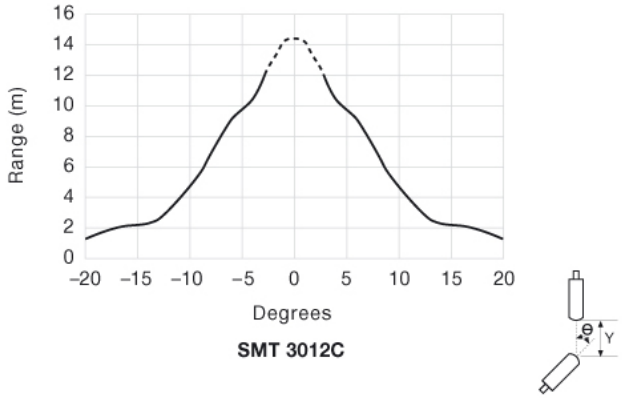
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Parallel Displacement



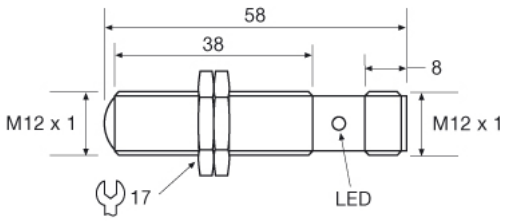
SMT 3012 and SMR 3x12

Angular Displacement



SMT 3012C

Dimensions



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